

PATENT
ATTORNEY DOCKET NO: 50195/008003

DECLARATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention, entitled **EXPRESSION OF XENOGENOUS (HUMAN)
IMMUNOGLOBULINS IN CLONED, TRANSGENIC UNGULATES**, the specification of which

- is attached hereto.
 was filed on November 16, 2001 as Application Serial No. 09/988,115
 and was amended on _____
 was described and claimed in PCT International Application No. _____
 filed on _____ and as amended under PCT Article 19 on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY RIGHTS: I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Country	Serial Number	Filing Date	Priority Claimed?
			Yes/No

PROVISIONAL PRIORITY RIGHTS: I hereby claim priority benefits under Title 35, United States Code, § 119(e) and § 120 of any United States provisional patent application(s) listed below filed by an inventor or inventors on the same subject matter as the present application and having a filing date before that of the application(s) of which priority is claimed:

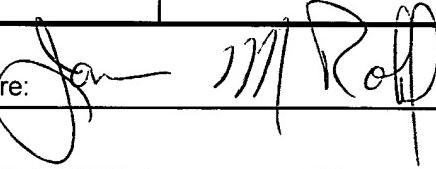
Serial Number	Filing Date	Status
60/311,625	August 9, 2001	Pending
60/256,458	December 20, 2000	Pending

DECLARATION

NON-PROVISIONAL PRIORITY RIGHTS: I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose all information I know to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Serial Number	Filing Date	Status
09/714,185	November 17, 2000	Pending

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
James M. Robl	Belchertown, Massachusetts	196 Old Enfield Road Belchertown, MA 01006 United States	U.S.A.
Signature: 			Date: 3/1/02

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Richard A. Goldsby	Leverett, Massachusetts	54 Depot Road Leverett, MA 01054 United States	U.S.A.
Signature:			Date:

DECLARATION

NON-PROVISIONAL PRIORITY RIGHTS: I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose all information I know to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

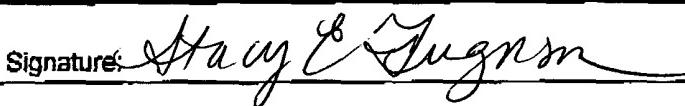
Serial Number	Filing Date	Status
09/714,185	November 17, 2000	Pending

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
James M. Robl	Belchertown, Massachusetts	196 Old Enfield Road Belchertown, MA 01006 United States	U.S.A.
Signature:			Date:

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Richard A. Goldsby	Leverett, Massachusetts	54 Depot Road Leverett, MA 01054 United States	U.S.A.
Signature: <i>Richard A. Goldsby</i>			2-4-02 Date:

DECLARATION

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Stacy E. Ferguson	Worcester, Massachusetts	190 Institute Road Apt. #1 Worcester, MA 01602 United States	U.S.A.
Signature: 			Date:

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Yoshimi Kuroiwa	Takasaki, Japan	B503 11 Miyahara-cho Takasaki-shi Gunma, 370-1202 Japan	Japan
Signature:			Date:

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Kazuma Tomizuka	Takasaki, Japan	401, RM2 Takasaki, 110-1, Yashima-cho, Takasaki-shi, Gunma, 370-0849, Japan	Japan
Signature:			Date:

DECLARATION

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Stacy E. Ferguson	Worcester, Massachusetts	190 Institute Road Apt. #1 Worcester, MA 01602 United States	U.S.A.
Signature:			Date:

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Yoshimi Kuroiwa	Takasaki, Japan	B503 11 Miyahara-cho Takasaki-shi Gunma, 370-1202 Japan	Japan
Signature: <i>Yoshimi Kuroiwa</i>			Date: <i>Feb. 13. 2002</i>

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Kazuma Tomizuka	Takasaki, Japan	401, RM2 Takasaki, 110-1, Yashima-cho, Takasaki-shi, Gunma, 370-0849, Japan	Japan
Signature: <i>Kazuma Tomizuka</i>			Date: <i>Feb. 12. 2002</i>

DECLARATION

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Isao Ishida	Isehara, Japan	352-6 Kushihashi, Isehara-shi, Kanagawa-ken 259-1136 Japan	Japan
Signature:			Date: Feb 4, 2002

50195.008003 Utility Declaration.wpd

ASSIGNMENT

For valuable consideration, we,

Full Name of Assignor	City	State (and Country if not USA)
James M. Robl	Belchertown	MA
Richard A. Goldsby	Leverett	MA
Stacy E. Ferguson	Worcester	MA

have assigned, and by these presents do assign to

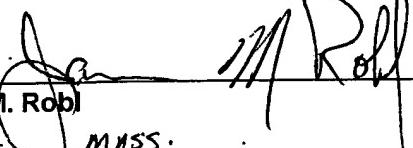
Full Name of Assignee	State of Incorporation	Business Address
Hematech, LLC	Delaware	33 Riverside Avenue 2 nd Floor Westport, CT 06880

and to its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements which are subject of one or more applications for United States Patent signed by us, identified as:

Title of Application	Filing Date	Serial Number
EXPRESSION OF XENOGENOUS (HUMAN) IMMUNOGLOBULINS IN CLONED, TRANSGENIC UNGULATES	November 16, 2001	09/988,115

and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment includes said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations, and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at _____
 this 2 day of March, 2002

 James M. Robl

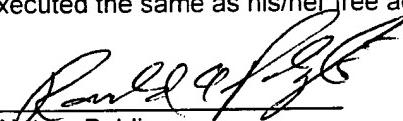
STATE OF MASS.:

COUNTY OF Hampshire:

L.S.

:ss.

Before me this 2 day of MARCH 2002 personally appeared **James M. Robl** known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

 Notary Public

My Commission Expires: Nov 15, 2002

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at _____
 this _____ day of _____, 20____

L.S.

Richard A. Goldsby

STATE OF _____:

:ss.

COUNTY OF _____:

Before me this _____ day of _____ 20____ personally appeared **Richard A. Goldsby** known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Notary Public

My Commission Expires:

[Notary's Seal Here]



IN WITNESS WHEREOF, I hereto set my hand and seal at _____
this _____ day of _____, 20 ____

L.S.

James M. Robl

STATE OF _____ : ss.

COUNTY OF _____ :

Before me this _____ day of _____ 20 __ personally appeared
James M. Robl known to me to be the person whose name is subscribed to the foregoing Assignment,
and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein
contained.

Notary Public

My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at _____
this 4 day of February, 2002



L.S.

Richard A. GoldsbySTATE OF Massachusetts : ss.COUNTY OF Hampshire :

Before me this 4 day of February, 2002 personally appeared
Richard A. Goldsby known to me to be the person whose name is subscribed to the foregoing
Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the
purposes therein contained.



My Commission Expires: January 24, 2003
[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Worcester,
this 28th day of May, 2002

Stacy E. Ferguson L.S.
Stacy E. Ferguson

STATE OF MA: ss.
COUNTY OF Worcester:

Before me this _____ day of _____, 20____ personally appeared
Stacy E. Ferguson known to me to be the person whose name is subscribed to the foregoing
Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the
purposes therein contained.

Notary Public

My Commission Expires:

[Notary's Seal Here]

ASSIGNMENT

For valuable consideration, we,

Full Name of Assignor	City	State (and Country if not USA)
Yoshimi Kuroiwa	Takasaki	Japan
Kazuma Tomizuka	Takasaki	Japan
Isao Ishida	Isehara	Japan

have assigned, and by these presents do assign to

Full Name of Assignee	State of Incorporation	Business Address
Kirin Beer Kabushiki Kaisha	Tokyo, Japan	10-1, Shinkawa 2-chome, Chuo-ku, Tokyo, 104-8288

and to its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements which are subject of one or more applications for United States Patent signed by us, identified as:

Title of Application	Filing Date	Serial Number
EXPRESSION OF XENOGENOUS (HUMAN) IMMUNOGLOBULINS IN CLONED, TRANSGENIC UNGULATES	November 16, 2001	09/988,115

and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment includes said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations, and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Gunma, Japan.
this 13th day of Feb, 2002

Yoshimi Kuroiwa L.S.
Yoshimi Kuroiwa

IN WITNESS WHEREOF, I hereto set my hand and seal at Gunma, Japan.
this 12th day of Feb., 2002

Kazuma Tomizuka L.S.
Kazuma Tomizuka

IN WITNESS WHEREOF, I hereto set my hand and seal at Tokyo, Japan.
this 4th day of Feb, 2002

Isao Ishida L.S.
Isao Ishida